



PTO/SB/08A (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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Application Number	10/041,007
Filing Date	January 7, 2002
First Named Inventor	Seiichi P. Matsuda
Art Unit	N/A
Examiner Name	Not Yet Assigned

Attorney Docket Number HO-P02081US1

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PP	AA	5,241,084-	08-31-1993	Teng	
CD	AB	5,322,688-	06-21-1994	Schwabe	
RP	AC	5,389,370-	02-14-1995	O'Reilly et al.	
RD	AD	5,399,348-	03-21-1995	Schwabe	
DD	AE	5,512,286-	04-30-1996	Schwabe	
PP	AF	5,599,950-	02-04-1997	Teng	
DP	AG	5,637,302-	06-10-1995	Bombardelli et al.	
AH					
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
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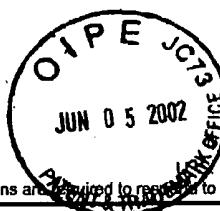
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PTO/SB/088 (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				
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Attorney Docket Number HO-P02081US1				

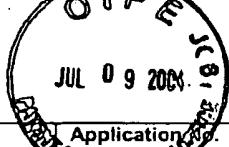
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.
RP	CA	Balz, J.P., et al. (1999) Production of ginkgolides and bilobalide by Ginkgo biloba plants and tissue cultures. <i>Planta Medica</i> 65(7): 620-626.
RP	CB	Bohlmann, J. et al. (1998) Proc. Natl. Acad. Sci. USA 95, 4126-4133.
RP	CC	Cartayrade, A., et al. (1997) Plant Physiol. Biochem. 35, 859-868.
RP	CD	Corey, E. J., et al. (1987) J. Am. Chem. Soc. 109, 7534-7536.
RP	CE	Corey, E. J., et al. (1988) J. Am. Chem. Soc. 110, 649-651.
RP	CF	Corey, E. J., et al. (1988) Tetrahedron Lett. 29, 3205-3206.
RP	CG	Le Bars, P. L. et al. (1997) A placebo-controlled, double-blind, randomized trial of an extract of Ginkgo biloba for dementia. North American EGb Study Group. <i>J. Amer. Med. Assoc.</i> 278(16):1327-32.
RP	CH	Neau, E., et al. (1997) Plant Physiol. Biochem. 35, 869-879.
RP	CI	Schwarz, M., et al. (1999) Comp. Nat. Prod. Chem. 2, 367-400.
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Examiner Signature	Rebecca Ponty	Date Considered	7/11/04
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PTO-1449	Application No. 611910416311	Applicant(s) Seiichi P.T. Matsuda, et al.
Information Disclosure Citation in an Application	Docket Number 002376.0990	Group Art Unit 1652
		Filing Date 1-07-2002

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
RP A.	4849410	07-18-1989	R. Jacobs, et al.	514	33	08-14-1987
RP B.	5151352	09-29-1992	H. Nakano, et al.	435	123	09-30-1991
RP C.	5189187	02-23-1993	H. Nakano, et al.	549	548	06-24-1992
RP D.	5589581	12-31-1996	N. Misawa, et al.	536	23.2	03-10-1994
RP E.	5602184	02-11-1997	C. Myers, et al.	514	739	03-03-1993
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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
K.						YES NO

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	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
RP L.	Albrecht, M., et al., <i>Synthesis of atypical cyclic and acyclic hydroxy carotenoids in Escherichia coli transformants</i> , Journal of Biotechnology 58 (1997) 177-185.	09-22-1997
RP M.	Bailey, James E., <i>Toward a Science of Metabolic Engineering</i> , Science, New Series, Volume 252, Issue 5013, 1668-1675.	06-21-1991
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RP O.	Basson, Michael E., <i>Saccharomyces cerevisiae</i> contains two functional genes encoding 3-hydroxy-3-methylglutaryl-coenzyme A reductase, Proc. Natl. Acad. Sci. USA 83: 5563-57.	1986
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RP S.	Hara, Mitsunobu, et al., <i>Leinamycin, A New Antitumor Antibiotic From <i>Streptomyces</i>, Producing Organism, Fermentation and Isolation</i> , The Journal of Antibiotics, pp. 1768-1774. Vol. XLII	12-1989
RP T.	Hezari, Mehri, et al., <i>Purification and Characterization of Taxa-4(5), 11(12)-diene Synthase from Pacific Yew (<i>Taxus brevifolia</i>) that Catalyzes the First Committed Step of Taxol Biosynthesis</i> , Archives of Biochemistry and Biophysics, Vol. 322, No. 2, pp. 437-444.	10-01-1995
RP U.	Jiang, Yu, et al., <i>BTS1 Encodes a Geranylgeranyl Diphosphate Synthase in <i>Saccharomyces cerevisiae</i></i> , The Journal of Biological Chemistry, Vol. 270, No. 37, pp. 21793-21799.	09-15-1995

EXAMINER	Rebecca Rents	DATE CONSIDERED
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PTO-1449 Information Disclosure Citation in an Application	Application No. 10/041,007	Applicant(s) Seiichi P.T. Matsuda, et al.	
	Docket Number 002376.0990	Group Art Unit 1652	Filing Date 1-07-2002

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
B.						NO

NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
RP C.	Kajiwara, Susumu, et al., <i>Expression of an exogenous isopentenyl diphosphate isomerase gene enhances isoprenoid biosynthesis in Escherichia coli</i> , Biochem J., 324(Pt 2): 421-6.	06-01-1997
RP D.	Kholodenko, Boris N., et al., <i>Metabolic Design: How to Engineer a Living Cell to Desired Metabolite Concentrations and Fluxes</i> , Biotechnol Bioeng, 59(2):239-247.	07-20-1998
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RP J.	Misawa, Norihiko, et al., <i>Production of B-Carotene in Zymomonas mobilis and Agrobacterium tumefaciens by Introduction of the Biosynthesis Genes from Erwinia uredovora</i> , Applied and Environmental Microbiology, Vol. 57, No. 6, p. 1847-1849.	06-1991
RP K.	Misawa, Norihiko, et al., <i>Metabolic engineering for the production of carotenoids in non-carotenogenic bacteria and yeasts</i> , Journal of Biotechnology 59 (1998) 169-181.	1998
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RP M.	Miura, Yutaka, et al., <i>Production of Lycopene by the Food Yeast, Candida utilis That Does Not Naturally Synthesize Carotenoid</i> , Biotechnol Bioeng, 58(2-3): 306-8.	04-20-1998
RP N.	Miura, Yutaka, et al., <i>Production of the Carotenoids Lycopene, B-Carotene, and Astaxanthin in the Food Yeast Candida utilis</i> , Applied and Environmental Microbiology, Vol. 64, No. 4, p. 1226-1229.	04-1998
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RP P.	Parks, Leo W., et al., <i>Physiological Implications of Sterol Biosynthesis in Yeast</i> , Annu. Rev. Microbiol. 49:95-116.	1995
RP Q.	Parks, Leo W., et al., <i>Biochemical and Physiological Effects of Sterol Alterations in Yeast-A Review</i> , Lipids Vol. 30 No. 3:227-230.	1995
RP R.	Peters, Reuben J., et al., <i>Abietadiene Synthase from Grand Fir (Abies grandis) Characterization and Mechanism of Action of the "Pseudomature" Recombinant Enzyme</i> , Biochemistry 39: 15592-15602.	12-2000
RP S.	Polakowski, T., et al., <i>Overexpression of a cytosolic hydroxymethylglutaryl-CoA reductase leads to squalene accumulation in yeast</i> , Appl Microbiol Biotechnol, 49:66-71.	1998
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EXAMINER <i>Rebecca Prouty</i>	DATE CONSIDERED <i>9/17/01</i>
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PTO-1449 Information Disclosure Citation in an Application	Application No. 10/041,007	Applicant(s) Seiichi P.T. Matsuda, et al.	
	Docket Number 002376.0990	Group Art Unit 1652	Filing Date 1-07-2002

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
<i>RP</i>	C. Stephanopoulos, G., <i>Bioinformatics and Metabolic Engineering</i> , Metabolic Engineering 2(3): 157-158.	2000
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<i>RP</i>	H. Yamano, Shigeyuki, et al., <i>Metabolic Engineering for Production of B-Carotene and Lycopene in Saccharomyces cerevisiae</i> , Biosci. Biotech. Biochem., 58(6): 1112-1114.	1994
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